

THE CLAIMS

1. (Previously presented) A telecommunication device comprising:

a telephony interface, said telephony interface for receiving a telephone call via a first communication path and identifying a dialed telephone number associated with the call, said telephony interface using the dialed telephone number to retrieve at least one wireless telephone number and at least one user preference from a storage medium, said telephony interface using said at least one retrieved user preference to route the call to at least two wireless destination telephone numbers substantially simultaneously via respective second and third communication paths, and said telephony interface connecting the call to a user by connecting said first communication path to the second or third communication path when the second or third communication path is authenticated by the user,

wherein said dialed telephone number and at least one of said at least two wireless destination telephone numbers are associated with an enterprise telecommunication network consisting solely of wireless devices and wherein the other of said at least two wireless destination telephone numbers is not associated with the enterprise telecommunication network.

2. (Previously presented) The device of claim 1, wherein a first wireless destination telephone number corresponds to said retrieved wireless telephone number and a second wireless destination telephone number corresponds to a retrieved second wireless telephone number.

3. (Previously presented) The device of claim 2, wherein said telephony interface routes the call to a third wireless destination number corresponding to a voice

mailbox telephone number after a predetermined time as defined by said at least one retrieved user preference.

4. (Original) The device of claim 3, wherein said predetermined time corresponds to a number of telephone rings defined by said at least one retrieved user preference.

5. (Previously presented) The device of claim 1, wherein said telephony interface routes the call to a first wireless destination telephone number corresponding to said retrieved wireless telephone number and to a second wireless destination telephone number corresponding to a retrieved second wireless telephone number as defined by said at least one retrieved user preference.

6. (Previously presented) The device of claim 5, wherein said at least one retrieved user preference defines a first ring count for the call to said first wireless destination telephone number and a second different ring count for the call to said second wireless destination telephone number.

7. (Previously presented) The device of claim 6, wherein said telephony interface routes the call to a third wireless destination telephone number corresponding to a voice mailbox telephone number after said telephony interface rings said first wireless destination number more than said first ring count.

8. (Previously presented) The device of claim 1, wherein said telephony interface routes the call to a voice mailbox telephone number.

9. (Previously presented) The device of claim 1, wherein said telephony interface prompts a caller of the telephone call with a menu of call destination options

and said telephony interface places the call to at least two wireless destination telephone numbers in accordance with an option selected by the caller.

10. (Original) The device of claim 1, wherein said telephony interface communicates with a private branch exchange, and wherein at least one of said at least one destination telephone numbers is associated with the private branch exchange.

11. (Original) The device of claim 10, wherein said at least one destination telephone number associated with the private branch exchange is associated with a cellular telephone.

12. (Original) The device of claim 11, wherein the cellular telephone can operate independently from said device.

13. (Previously presented) The device of claim 10, wherein another of said at least two wireless destination telephone numbers is associated with a pager.

14. (Previously presented) The device of claim 10, wherein another of said at least two wireless destination telephone numbers is associated with a personal digital assistant.

15. (Previously presented) The device of claim 1, wherein said telephony interface receives the call from a public switched telephone network, and wherein at least one of said at least two wireless destination telephone numbers is associated with a private branch exchange.

16. (Previously presented) The device of claim 15, wherein at least one of said at least two wireless destination telephone numbers associated with the private branch exchange is associated with a cellular telephone.

17. (Original) The device of claim 1, wherein said telephony interface is connected to a local area network and said at least one user preference is input via the local area network.

18. (Original) The device of claim 1, wherein said telephony interface is connected to the Internet and said at least one user preference is input via the Internet.

19. (Previously presented) A telecommunication device comprising:

a telephony interface coupled to an enterprise telecommunication network, said telephony interface receiving a telephone call via a first communication path from a wireless telephone and identifying a wireless telephone number of the wireless telephone, said telephony interface using the identified wireless telephone number to retrieve a first enterprise extension telephone number associated with the wireless telephone and to retrieve at least one user preference from a storage medium, said telephony interface determining user access rights based on at least one enterprise preference associated with first enterprise extension telephone number, generating and sending a simulated dial tone to the wireless telephone and providing access to the enterprise telecommunication network based on said at least one user preference and the enterprise preference associated with said first enterprise extension telephone number,

wherein said enterprise telecommunication network consists solely of wireless communication devices.

20. (Original) The device of claim 19, wherein said at least one enterprise preference comprises a security group defining authorized outbound call access of a user of the wireless telephone.

21. (Original) The device of claim 19, wherein said at least one user preference comprises a dial tone timeout period, wherein a user of the wireless telephone is prevented from placing a call after the dial tone timeout period expires.

22. (Previously presented) The device of claim 19, wherein said telephony interface further comprises:

means for receiving a second telephone call, said second telephone call being placed to said first enterprise extension telephone number;

means for identifying the first enterprise extension telephone number from the second call;

means for using the first enterprise extension telephone number to retrieve at least the wireless telephone number; and

means for using said at least one user preference to route the second call via a second communication path to at least one destination telephone number, wherein said at least one destination telephone number is selected from the group consisting of the wireless telephone number and a voice mailbox telephone number.

23. (Original) The device of claim 22, wherein said telephony interface routes the second call to two destination telephone numbers simultaneously, a first destination telephone number corresponding to the wireless telephone and a second destination telephone number corresponding to a retrieved second telephone number.

24. (Original) The device of claim 23, wherein said telephony interface routes the second call to a third destination number corresponding to said voice mailbox telephone number after a predetermined time as defined by at least one retrieved user preference.

25. (Original) The device of claim 22, wherein said telephony interface routes the second call to a first destination telephone number corresponding to the wireless telephone number and to a second destination telephone number corresponding to a retrieved second telephone number in a sequential manner and as defined by at least one retrieved user preference.

26. (Previously presented) A method of operating a wireless connect unit to implement a virtual dual line telephone interface into an enterprise telecommunication network location having a single line telephone interface, said method comprises:

connecting the enterprise telecommunication network to a wireless connect unit;

providing at least one wireless telephone to the location;

routing a telephone call made to an extension of the enterprise network via a first communication path to the wireless connect unit;

identifying the extension from the routed telephone call;

using the identified extension to retrieve a first telephone number associated with the wireless telephone and a second telephone number associated with a telecommunications device;

routing the telephone call to at least one destination telephone number via a second communication path, wherein said at least one destination telephone number is selected from the group consisting of the first and second telephone numbers, and

wherein the wireless telephone can receive the call if the device associated with the second telephone number is unable to receive a call and the device associated

with the second telephone number can receive the call if the wireless telephone is unable to receive the call, and

wherein extensions of the enterprise telecommunication network are solely associated with wireless devices.

27-28. (Canceled)

29. (Previously presented) A method of providing access to an enterprise telecommunication network from a wireless telephone, said method comprises:

receiving a telephone call via a first communication path from the wireless telephone;

identifying a wireless telephone number of the wireless telephone;

using the wireless telephone number to retrieve an enterprise telephone number associated with the enterprise telecommunication network;

determining access rights for a user of the wireless telephone and if the user has rights to access the enterprise telecommunication network, said method further comprising:

generating a simulated dial tone;

sending the simulated dial tone to the wireless telephone via the first communication path; and

providing telecommunication access to the enterprise telecommunication network based on at least one user preference and at least one enterprise preference associated with the retrieved enterprise telephone number,

wherein the enterprise telecommunication network consists solely of wireless devices.